

DIRECTIONS AND EXAMPLES FOR DRAWINGS

PLAN VIEW

The plan View shows the proposed activity as if you were looking straight down on it from above. Your plan view should clearly show the following:

- Name of waterbody (river, creek, lake, wetland, etc.) and river mile (if known) at the location of the activity.
- Existing shorelines.
- Mean high and mean low water lines and maximum (spring) high tide line in tidal areas.
- Ordinary high water line and ordinary low water line if the proposed activity is located on a non-tidal waterbody.
- Average water depths around the activity.
- Dimensions of the activity and distance it extends from the high water line into the water.
- Distances to nearby Federal or State projects if any.
- Distance between proposed activity and navigation channel, where applicable.
- Delineation of any wetland (marshes, swamps, tidal flats, 100-year flood plains, etc.)
- North arrow.
- Scale.
- Description of dredged material involved. You must describe the type of material, number of cubic yards, method of handling the location of till and spoil disposal area, and the types of dredging. The drawing should show proposed retention dikes, weirs, and/or other means for retaining hydraulically placed materials.
- Mark the drawing to indicate previously completed portion of the activity.
- Mark the drawing to indicate storm water management facilities for marinas, residential and commercial developments.

ELEVATION AND/OR CROSS SECTION VIEW

The elevation and/or cross section view is a scale drawing that shows the side, front or rear of the proposed activity. If a section view is shown, it represents the proposed structure as it would appear if cut internally or display. Your elevation should clearly show the following:

- Water elevations as known in the plan view (mean high water line, mean low water line, etc.)
- Water depths in the area of the proposed activity. If dredging is proposed, dredging depths and estimated disposal quantities.
- Dimensions from the mean high water line (tidal waters) for pile supported platforms, float or high tide line lot proposed fill. Describe any Structures to be built on the platform.
- Cross-section of excavation or fill, including approximate side slopes.
- Graphic or numerical scale.
- Principal dimensions of the activity.

DRAWINGS

Three types of drawings- Vicinity, Plan and Elevation- are required to accurately depict activities (See examples of proper drawings on the following pages).

Submit one original, or good quality copy of all drawings on 8½ x 11 inch white paper (tracing cloth or film may be used). Submit the fewest number of sheets necessary to adequately show the proposed activity. Drawings should be prepared in accordance with the general format of the samples, using block style lettering. Each page should have a title block. See the checklist below. Drawings do not have to be prepared by an engineer but professional assistance may become necessary if the project is large or complex. Construction plans must be submitted to the Waterway Permits Division.

Leave a 1" margin at the top edge to each sheet for purposes of reproduction and binding. In the title block of each sheet of drawings, identify the proposed activity and include the name of the body of water; river mile (if applicable); name of county; name of applicant; number of the sheet and total number of sheets in the set; and the date the drawing was prepared.

Since drawings must be reproduced, use heavy dark lines. Color shading cannot be used. However, dot shading, hatching or similar graphic symbols may be used to clarify line drawings.

NOTES ON DRAWINGS

- Names of adjacent property owners who may be affected should be shown on the drawings.
- A legal property description including the number etc. should be shown on the drawings.
- Photographs of the site are not required. However, pictures are helpful and may decrease the amount of time needed to process your application.
- Drawings should be as clear and simple as possible (i.e., not too “busy”)
- Construction Plans should be submitted with the application to the Waterway Permits Division.

VICINITY MAP

The vicinity map you provide will be printed in any public notice that is issued and it is used by the Corps of Engineers and other reviewing agencies to locate the site of the proposed activity. You may use an existing road map or US Geological Survey topographic map (scale 1:24,000) as the vicinity map. Please include sufficient details to simplify locating the site from both the waterbody and from land. Identify the source of the map or chart from which the vicinity map was taken and if not already shown, please add the following:

- Location of activity site (draw an arrow showing the exact location of the site on the map).
- Latitude, longitude, and river mile, if known.
- Name of waterbody and the name of the larger creek, river, bay, etc. into which the waterbody drains.
- Names, descriptions and locations of landmarks.
- Names of all applicable political (county, city, etc.) jurisdictions.
- Name of and distance to nearest town, community or other identifying locations.
- Names or numbers of all roads in the vicinity of the site.
- North arrow.
- Scale.

SAMPLE PLAN DRAWINGS FOR PROJECTS IN TIDAL WATERS

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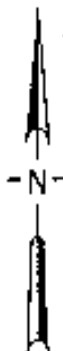
	Page
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Proposed Pier, Mooring Piles and Dredging.....	22
Proposed Bulkhead with Fill.....	23
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WHERE TO MAIL APPLICATION

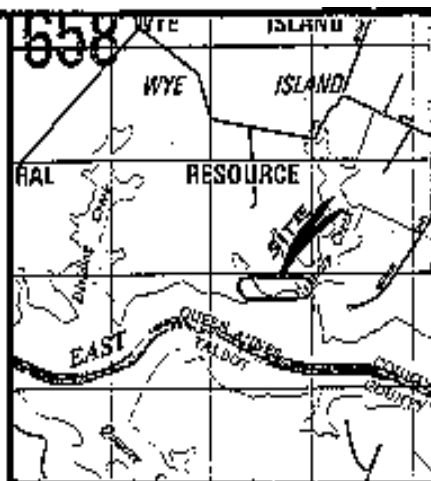
Maryland Department of the Environment
Water Management Administration
Regulatory Services Coordination Office
1800 Washington Boulevard, Suite 430
Baltimore, Maryland 21230
Telephone: (410) 537-3762
1-800-876-0200

BEFORE YOU MAIL...DON'T FORGET...

- **SIGN AND DATE THE APPLICATION. THE LANDOWNER MUST SIGN.**
- **FIVE (5) COPIES OF ALL DOCUMENTS (APPLICATION, PLANS, MAPS, REPORTS, ETC.) MUST BE RECEIVED TO BEGIN OUR REVIEW.**
- **INCLUDE FIVE COPIES OF A VICINITY MAP (LOCATION MAP) WITH THE PROJECT SITE PINPOINTED.**



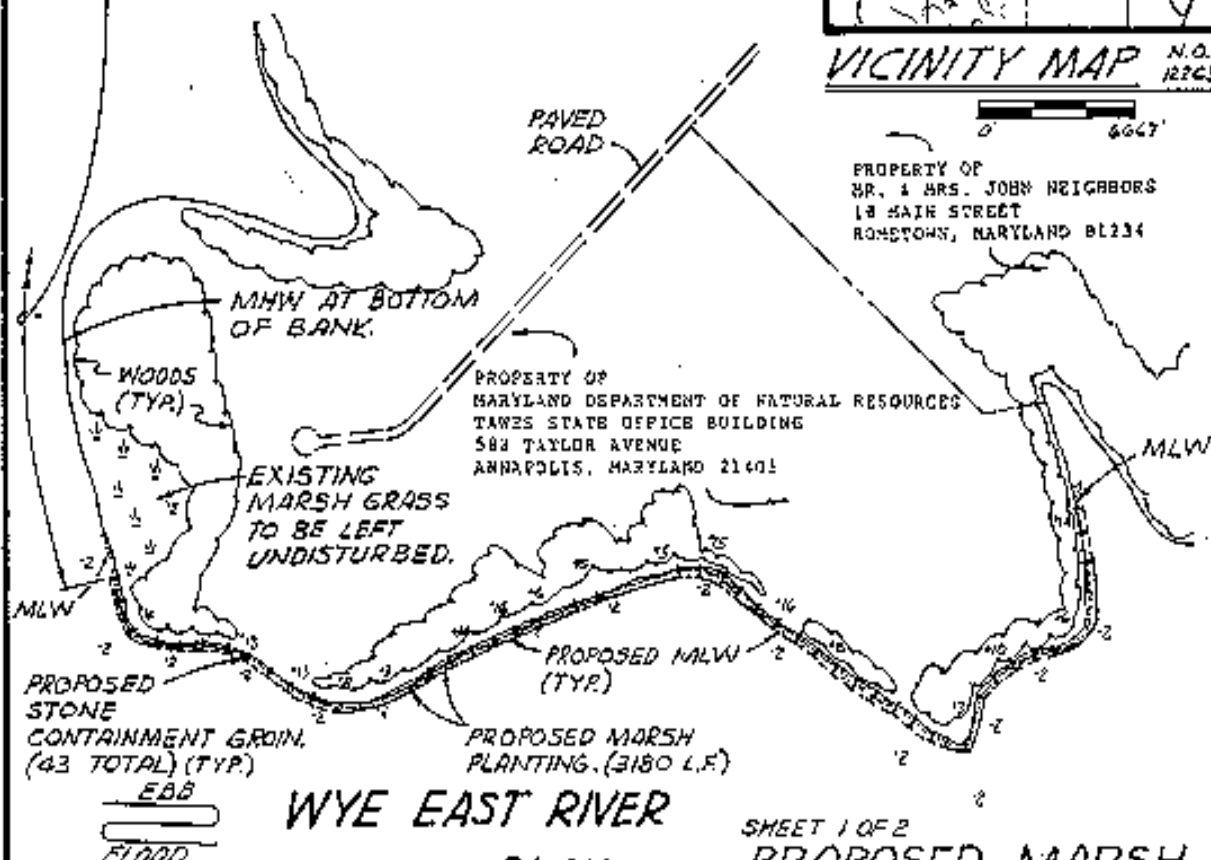
APPROX. 3100' ALONG SHORE TO
PROPERTY OF
MR. & MRS. JOHN SMITH
26 MAIN STREET
BOMSTOWN, MARYLAND 21234



VICINITY MAP N.O.S.
12263

0 6667'

PROPERTY OF
MR. & MRS. JOHN NEIGHBORS
18 MAIN STREET
BOMSTOWN, MARYLAND 21234



SHEET 1 OF 2
PROPOSED MARSH PLANTING

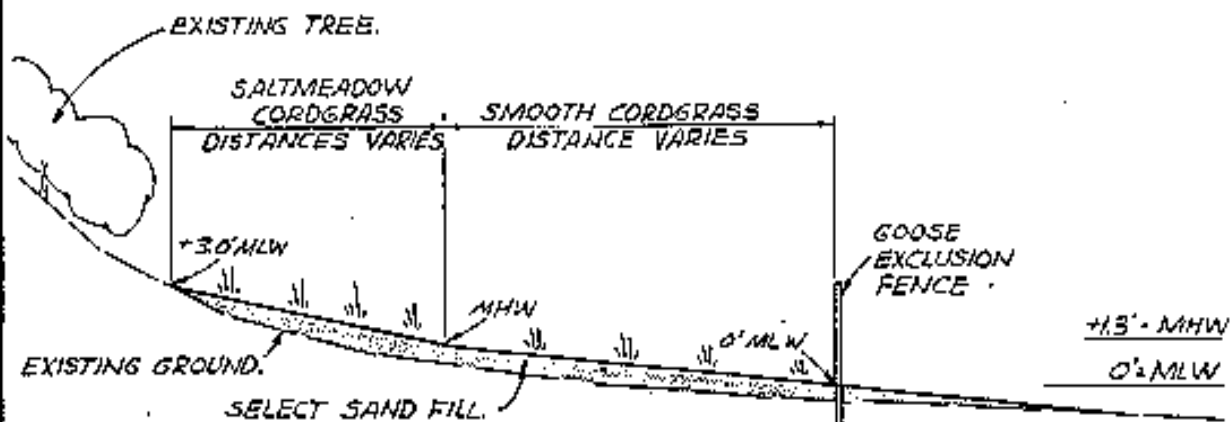
IN: WYE EAST RIVER
AT: WYE ISLAND
QUEEN ANNE'S COUNTY
APPL. BY: MARYLAND DEPARTMENT OF
NATURAL RESOURCES
DATE: NOVEMBER, 1987

NOTES

1. TIDAL RANGE IS 1.3 FEET.
2. SOUNDINGS IN FEET & REFER TO MLW.
3. APPROX. 1175 CU. YDS. OF SAND FILL TO BE OBTAINED ON-SITE. ($\pm 3.4 \text{ YD}^3/\text{FT.}$)
4. THIS DRAWING IS FOR OUTLINE PURPOSES ONLY. DESIGN DRAWINGS ARE TO BE PROVIDED SEPARATELY.

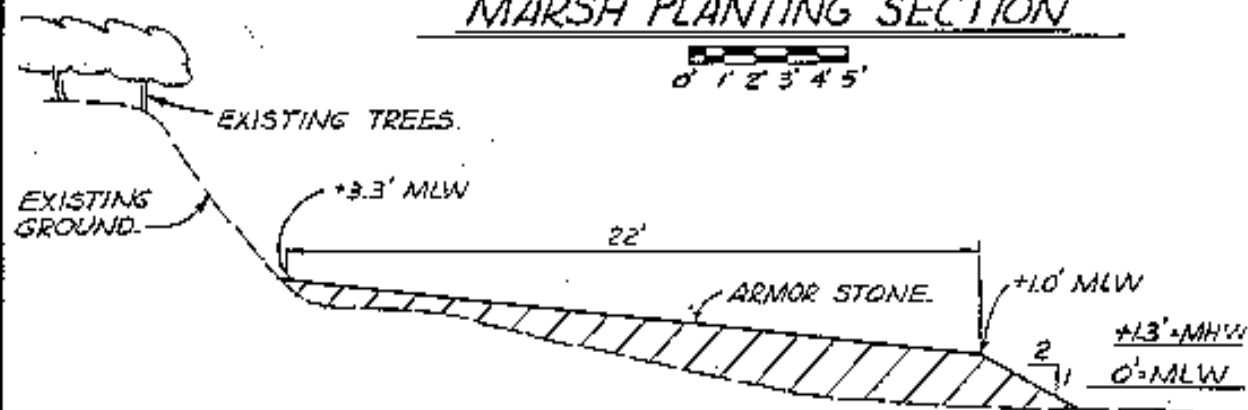
Andrews, Miller & Assoc., Inc.





MARSH PLANTING SECTION

0' 1' 2' 3' 4' 5'



STONE CONTAINMENT GROIN PROFILE

0' 1' 2' 3' 4' 5'

12 PLY COTTON TWINE (TYP.)

+1.3' MHW

PROPOSED GRADE

0' MLW

EXISTING GROUND.

2" x 2" POST.

GOOSE EXCLUSION FENCE

0' 1' 2' 3'

SHEET 2 OF 2

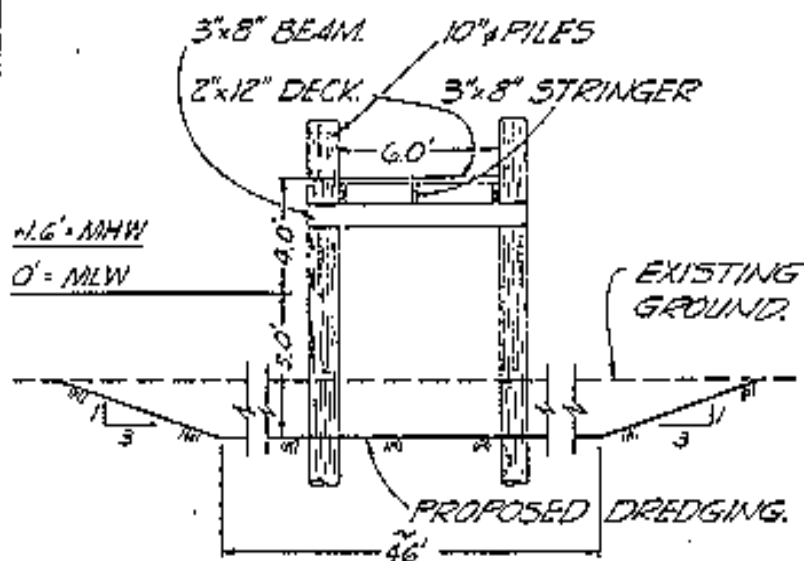
APPL. BY: MARYLAND DEPARTMENT OF
NATURAL RESOURCES

DATE: NOVEMBER, 1987

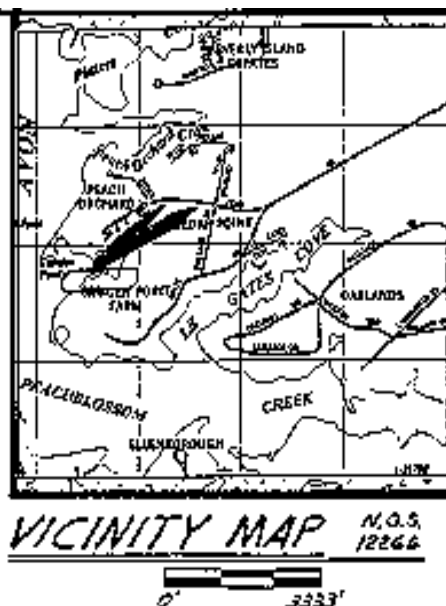
Andrews, Miller & Assoc., Inc.

100 MARYLAND AVENUE - CAMARCO, MD 20612 - TEL: 206-125-1117

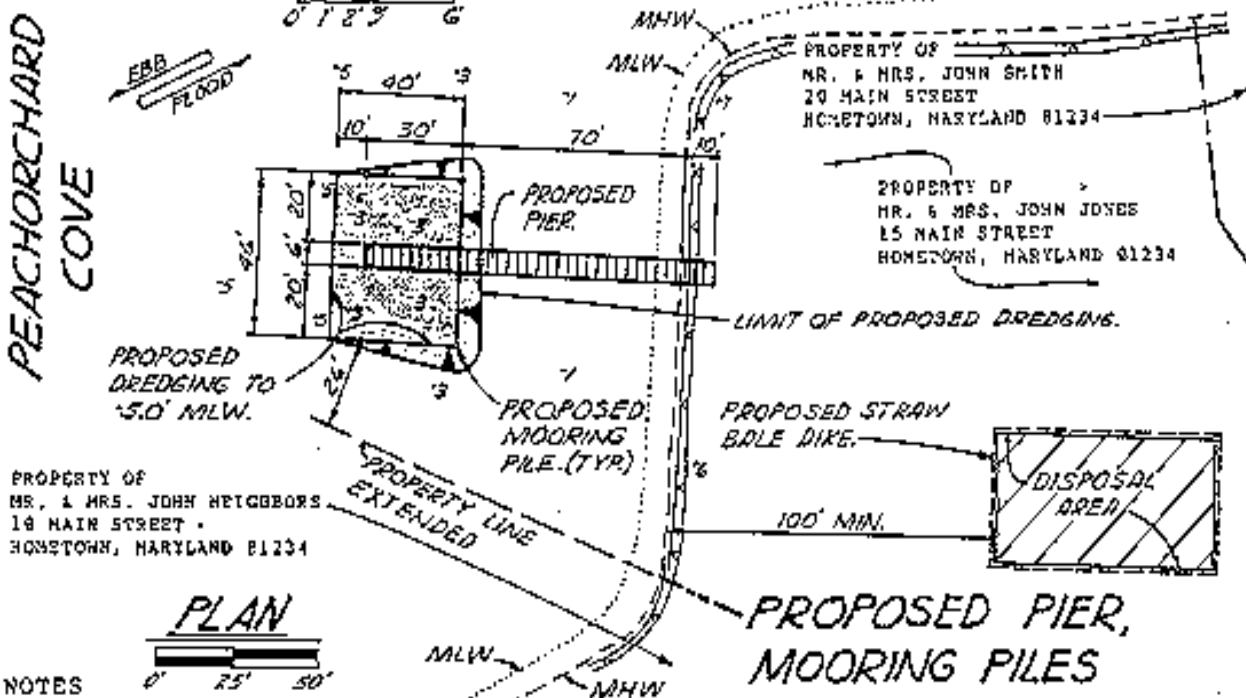




PIER & DREDGING SECTION



PEACH ORCHARD
COVE



NOTES

1. TIDAL RANGE IS 1.6 FEET.
2. SOUNDINGS IN FEET & REFER TO MLW.
3. APPROX. 170 CU. YDS. OF SAND, SILT AND CLAY TO BE DREDGED TO -5.0' MLW BY MECHANICAL MEANS AND PLACED IN THE UPLANDS DISPOSAL AREA.
4. THIS DRAWING IS FOR OUTLINE PURPOSES ONLY. DESIGN DRAWINGS ARE TO BE PROVIDED SEPARATELY.

**PROPOSED PIER,
MOORING PILES
AND DREDGING**

IN: PEACH ORCHARD COVE
NEAR: EASTON
TALBOT COUNTY, MARYLAND
APPL. BY: MR. & MRS. JOHN JONES
DATE: NOVEMBER, 1967

Andrews, Miller & Assoc., Inc.

308 HATTIAN DRIVE • CAMARCE, MD 21613 • PHONE 301-328-5112

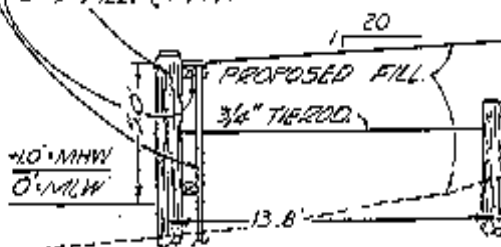


EXISTING GROUND.

3" T.I.G. SHEETING.

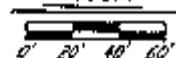
6" x 6" WALE (TOP & BOTTOM)

10" x 8" PILE (TYP)

**BULKHEAD SECTION**

PROPERTY OF
MR. & MRS. JOHN NEIGHBORS
15 MAIN STREET
HOMETOWN, MARYLAND 21224

PROPERTY OF
MR. & MRS. JOHN JONES
15 MAIN STREET
HOMETOWN, MARYLAND 21224

PLAN

PROPERTY OF
MR. & MRS. JOHN SMITH
15 MAIN STREET
HOMETOWN, MARYLAND 21224

PROPOSED STONE
FLANK PROTECTION.
(TYP.)

NOTES

1. TIDAL RANGE IS 1.0 FEET.
2. SOUNDINGS IN FEET & REFER TO MLW.
3. APPROX. 700 CU.YDS. OF COMMON FILL TO BE OBTAINED OFF SITE.
4. THIS DRAWING IS FOR OUTLINE PURPOSES ONLY. DESIGN DRAWINGS ARE TO BE PROVIDED SEPARATELY.

**VICINITY MAP**

EXISTING PIER

EXISTING BANK (TYP.)

HOUSE

PROPOSED FILL

MHW

+12

+10

+8

+6

+4

+2

0

-2

-4

-6

-8

-10

-12

-14

-16

-18

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-22

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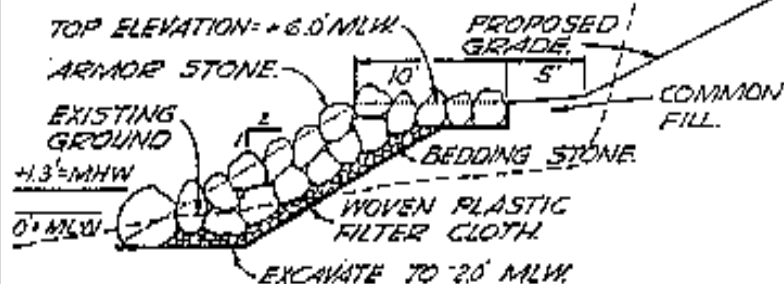
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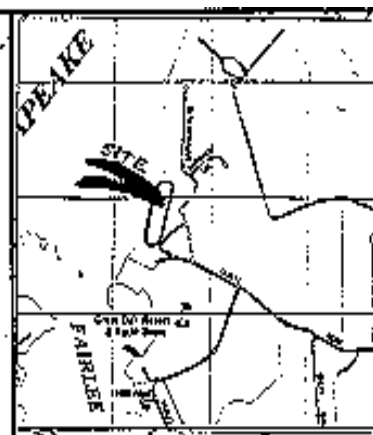
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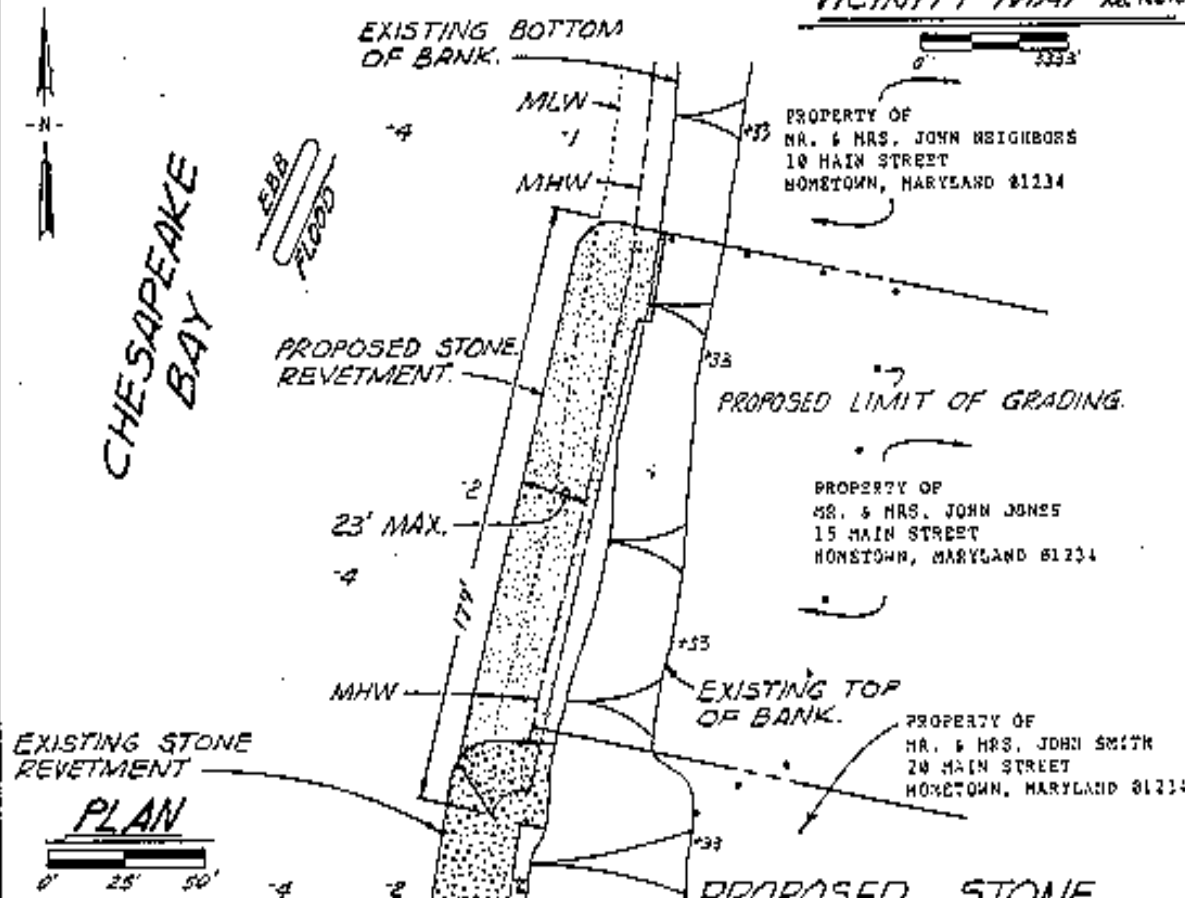
REVELTMENT SECTION

0 5 10'



VICINITY MAP

N.O.S.
A.S. 10278



PLAN

NOTES

1. TIDAL RANGE IS 1.3 FEET.
2. SOUNDINGS IN FEET & REPER TO MLW.
3. REVELTMENT SHALL EXTEND NO FURTHER OUTBOARD OF MHW THAN NECESSARY TO MAINTAIN A 2:1 SLOPE.
4. THIS DRAWING FOR OUTLINE PURPOSES ONLY. DESIGN DRAWINGS TO BE PROVIDED SEPARATELY.

PROPOSED STONE REVELTMENT

IN: CHESAPEAKE BAY
NEAR: FAIRLEE NECK
KENT COUNTY, MARYLAND
APPL. BY: MR. & MRS. JOHN JONES
DATE: NOVEMBER 1987

Andrews, Miller & Assoc., Inc.
SCHEIDT AND STONE • CHESAPEAKE, VA 23043 • PHONE 301-228-1117

